

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented). A data transmission system based on a Bluetooth standard, the data transmission system comprising:

a primary terminal;

a first group of secondary terminals, data packets being interchanged by radio between said primary terminal and said first group of secondary terminals with a first Bluetooth address BD_ADDR of said primary terminal being used for connection identification; and

a second group of said secondary terminals, data packets being interchanged by radio between said primary terminal and said second group of said secondary terminals with a second Bluetooth address BD_ADDR of said primary terminal being used for connection identification.

Claim 2 (original). The data transmission system according to claim 1, wherein the first address and the second address differ in at least one bit.

Claim 3 (original). The data transmission system according to claim 2, wherein the at least one bit in which the first address and the second address differ is situated in a prescribed address field.

Claim 4 (original). The data transmission system according to claim 3, wherein the at least one bit in which the first address and the second address differ is a least significant bit in the prescribed address field.

Claim 5 (original). The data transmission system according to claim 1, wherein said first group of said secondary terminals and said second group of said secondary terminals each have up to seven of said secondary terminals.

Claim 6 (original). The data transmission system according to claim 1, wherein the data packet contains identification information for indicating a respective group with which the data packet is to be interchanged with.

Claim 7 (original). The data transmission system according to claim 1, wherein said first group of said secondary terminals and said second group of said secondary terminals have devices for stipulating their membership to said first group of said secondary terminals or said second group of said secondary terminals.

Claim 8 (original). The data transmission system according to claim 1, wherein the data transmission system can be used in digital cordless communication systems and in computer-controlled systems with peripheral devices.

Claim 9 (original). The data transmission system according to claim 1, wherein said primary terminal has a first address and a second address.

Claim 10 (original). The data transmission system according to claim 3, wherein the prescribed address field is a lower address part of an address field.

Claim 11 (previously presented). A primary terminal configuration for a data transmission system, the primary terminal configuration comprising:

a primary terminal having a first Bluetooth address BD_ADDR for wirelessly interchanging data packets with a first group of secondary terminals and a second Bluetooth address BD_ADDR for wirelessly interchanging data packets with a second group of secondary terminals.

Claim 12 (new). A data transmission system based on a Bluetooth standard, the data transmission system comprising:

a primary terminal;

a first group of secondary terminals, data packets being interchanged by radio between said primary terminal and said first group of secondary terminals with a first Bluetooth address BD_ADDR of said primary terminal being used for connection identification; and

a second group of said secondary terminals, data packets being interchanged by radio between said primary terminal and said second group of said secondary terminals with a second Bluetooth address BD_ADDR of said primary terminal being used for connection identification;

the first Bluetooth address BD_ADDR and the second Bluetooth address BD_ADDR differing in at least one bit of a lower address part LAP.

Claim 13 (new). The data transmission system according to claim 12, the first Bluetooth address BD_ADDR and the second Bluetooth address BD_ADDR differ in exactly one bit of the lower address part LAP.

Claim 14 (new). The data transmission system according to claim 13, wherein the one bit is a least significant bit of the lower address part LAP.